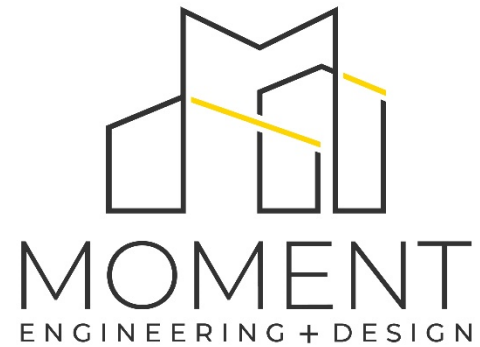


May 30, 2023

Clopay Corporation
8585 Duke Blvd.
Mason, OH 45040



**RE: Review, Evaluation, and Certification of Code Compliance
Verti-Stack Sectional Door (14'-6" wide, 25psf design pressure)**

To whom it may concern:

Moment Engineering + Design has performed a comprehensive structural review of the Clopay Corporation Sectional Doors, Verti-Stack model # VS904, for typical installations in the State of Florida.

Statement of Compliance:

When constructed and installed per the conditions and design criteria described herein, the Sectional Door product lines described above are compliant with applicable sections of the design reference documents noted below.

For the doors listed in Table 1, Static Pressure Tests were conducted in accordance with ASTM-E330-2002 and/or ANSI/DASMA 108-2005/12. The pressures listed on the drawings are either direct results of these tests or results obtained through engineering rational analysis based on actual tests. Moment Engineering + Design have concluded that the sectional door designs listed below in Table 1 are in compliance with these test requirements of the Florida Building Code.

TABLE 1: Drawings for doors with Manufacturing Product Code VS904:

105829-Rev02, max. door size 14'6" x 14'0"; +25/-25 PSF (design load)

105828 VertiStack Clear Door Installation & Maintenance Manual

Test Reports:

The following test reports are based on testing conducted by Clopay Corporation at their Mason testing facility (accredited by ANAB for ASTM E330 and ANSI/DASMA 108 testing): ATC 21-012 (9/28/21), ATC 21-013 (9/28/21), ATC 21-014 (9/28/21), ATC 21-014B (9/29/21), ATC 21-015 (10/15/21), ATC 21-016 (10/15/21), ATC 21-017 (10/15/21),

Product Description for doors with MPC C-AL2-1F499:

These doors consist of 2" (nominal) thick aluminum frame sections with glazed or solid panels. The aluminum frames are as detailed on the approval drawings. The maximum intermediate section height is 21.188". The maximum top/bottom section heights is 23.438". The following models are at

Limitations:

The drawing(s) cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details and relies on the illustrations and text of these drawings as well.

Jambs, lintels, sills or other structural elements required to prepare openings are not covered. The design of the supporting structural elements shall be the responsibility of the professional of record for the

building or structure and in accordance with current building codes for the loads listed on the drawing(s) referenced above.

Installation requirements per the relevant Florida Administrative Rule, including attachments, are detailed on the drawing(s) listed above. Installation must be in accordance with manufacturer's installation instructions and must be as shown on the drawing(s) listed above. The manufacturer's licensed design professional listed on the drawing(s) has reviewed the attachment details and installation requirements.

Certification of Independence:

I, Shawn P. Kelley, President, certify that Moment Engineering + Design, operates as an independent limited liability company providing professional engineer services. Neither I nor Moment Engineering + Design has a financial interest in – nor intent to obtain financial interest in – any company manufacturing or distributing products for which it has issued or will issue evaluation or code-compliance reports.

Neither I nor Moment Engineering + Design has nor will acquire a financial interest in any other entity involved in the approval process for this product.

We appreciate the opportunity to assist you with this project. Should you have any further questions regarding this review, please feel free to contact me directly at 703-988-2350.

Best Regards,

**Shawn
Kelley**

Shawn P. Kelley, P.E.

Principal, Structural Engineer

moment ENGINEERING + DESIGN

www.msegllc.com

Phone: 703-988-2350

Email: spkelley@msegllc.com

Digitally signed by
Shawn Kelley
Date: 2023.05.30
10:19:22 -04'00'

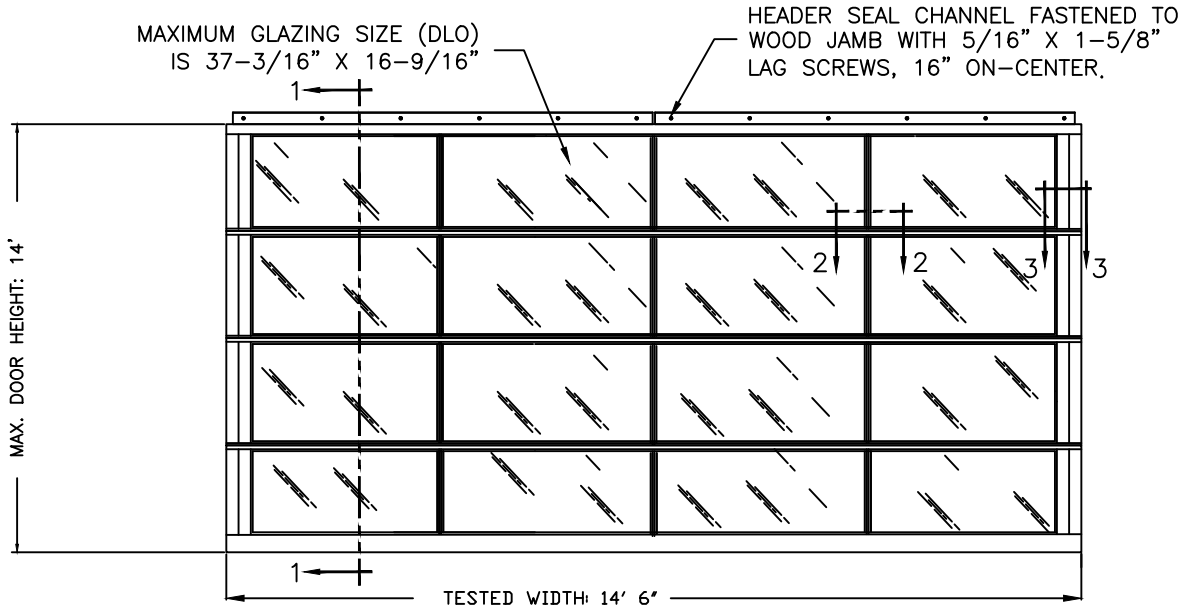


Attachments:

1. Signed and sealed copy of Cornell Drawing No. 105829, Rev 02, dated 02/17/2023

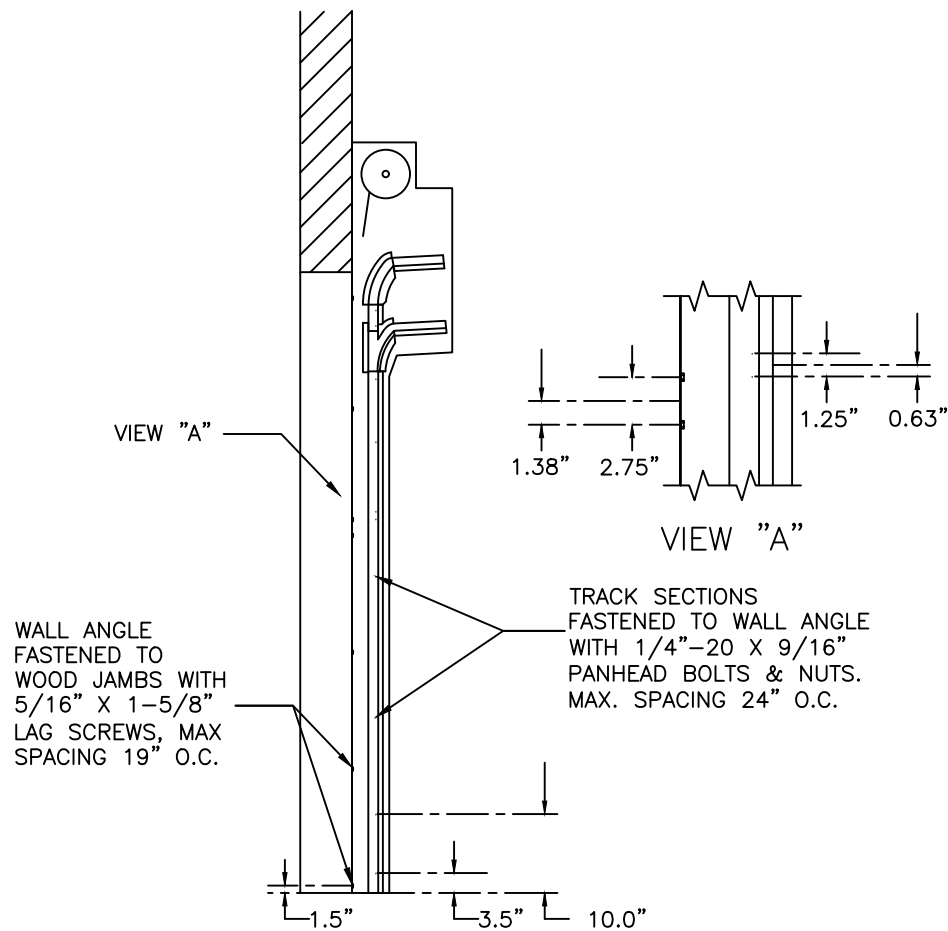
BRAND	MODEL
CLOPAY	VS904
COOKSON	VS904N
CORNELL	VS904L

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	6/29/22	-	JDW	RELEASED FOR PRODUCTION.
01	-	9/21/22	DR2762		ROLLER NOTE CHANGE
02	-	2/17/23	DR2804	JJJ	CHANGED SECTION HEIGHT NOTE, UPDATED INSTALL MANUAL DN.



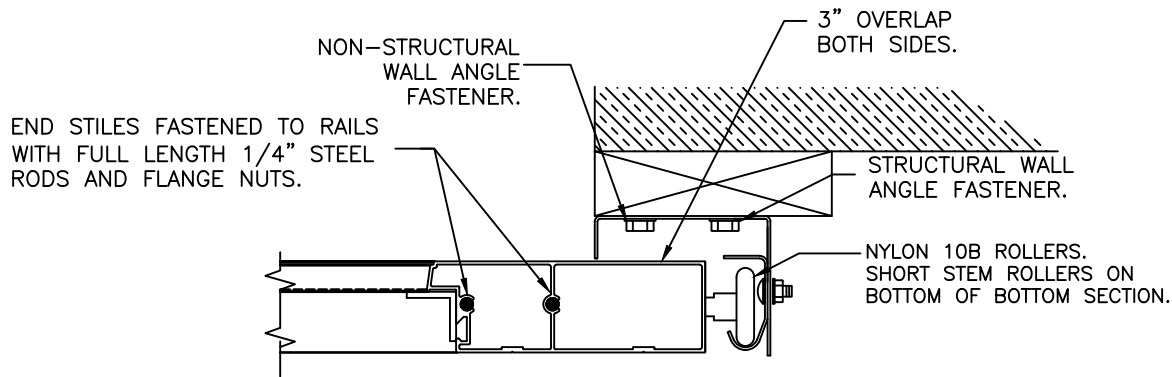
- NOTES:
1. VERTI-STACK DOOR INSTALLED PER INSTALLATION MANUAL 105828.
 2. MAXIMUM INTERMEDIATE SECTION HEIGHT 21-3/16".
 3. MAXIMUM TOP/BOTTOM SECTION HEIGHT 23-7/16".

TRACK CONFIGURATION

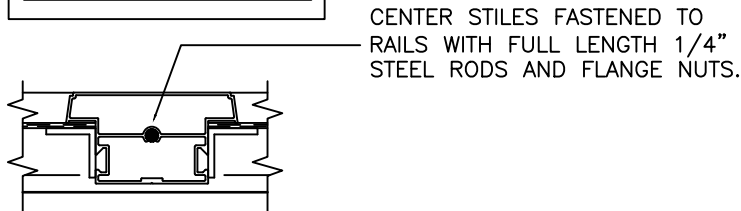


SIDE ELEVATION
VERTI-STACK TRACK DETAILS

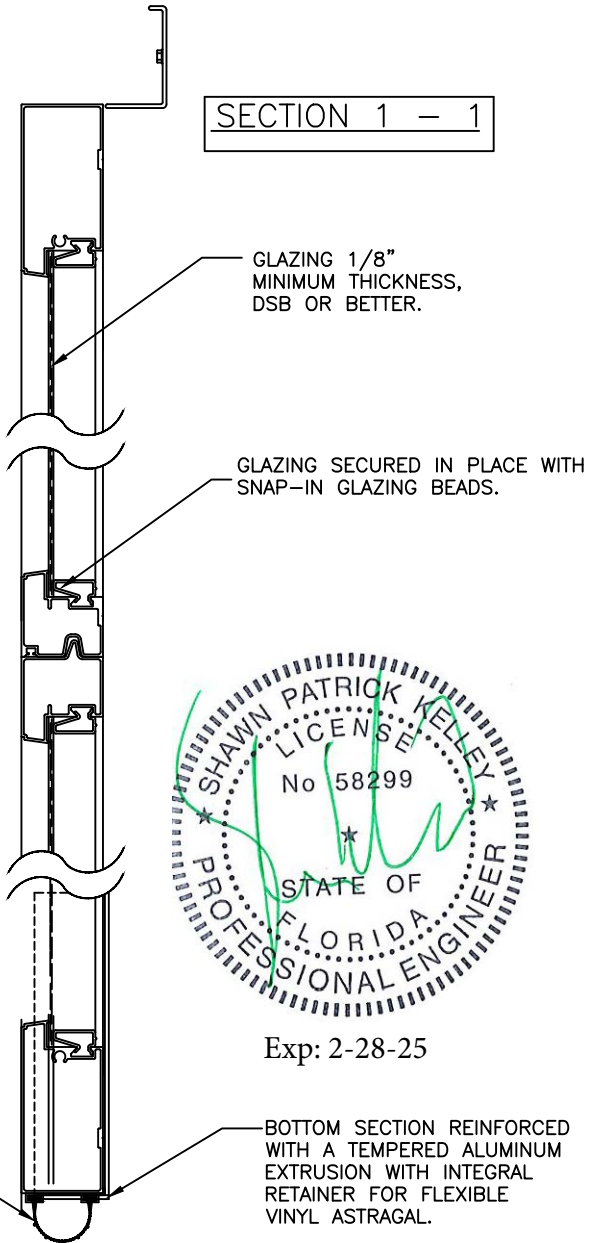
SECTION 3-3



SECTION 2-2



MANUFACTURING PRODUCTION CODE
C-VSA-1F499



DESIGN LOADS: +25 & -25 P.S.F.
TEST LOADS +37.5 & -37.5 P.S.F.

Third Angle Projection		MPC:	
Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2° Unless Stated Otherwise DIMENSIONS ARE IN INCHES.		Clopay Corporation 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853	
DESCRIPTION: M/N VERTI-STACK 14'6" WIDE DES. +/-25 PSF		CLOPAY WINDLOAD RATING W4	
DRAWN BY: JDW	DATE: 06/29/22	SCALE: NONE	DWG. SIZE B
CHECKED BY: JDW	DATE: 06/29/22	SHEET 1 OF 1	
DWG. NO.: 105829	VER: -		